

FIG. 1B

FIG. 2A

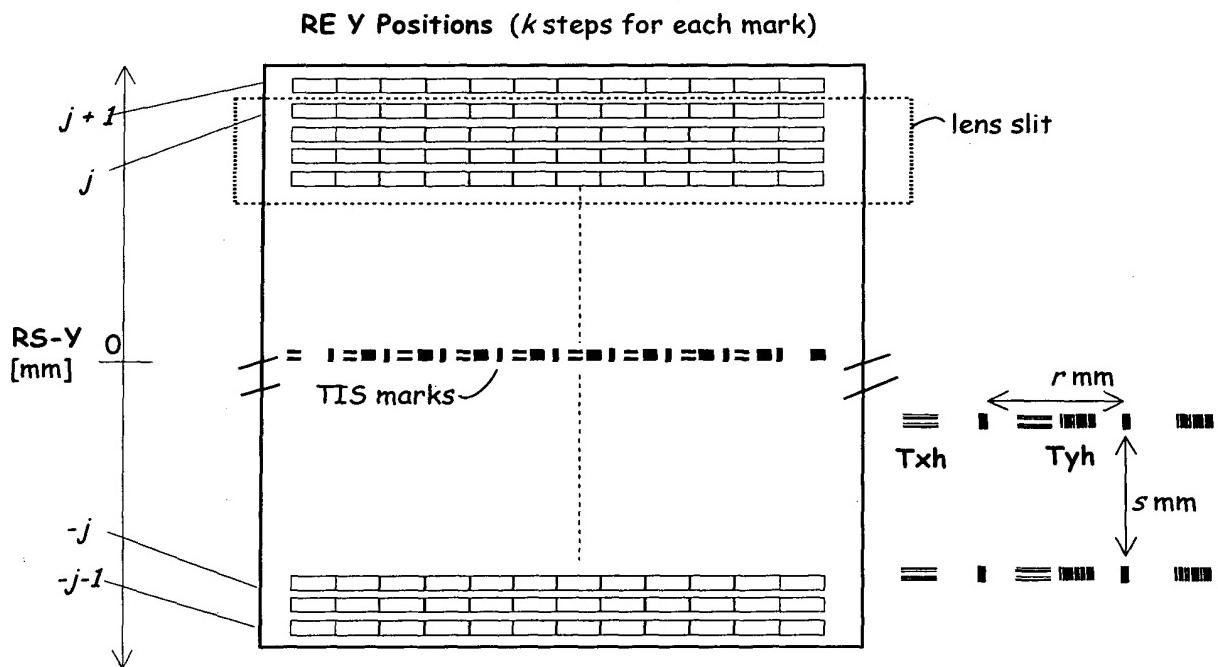
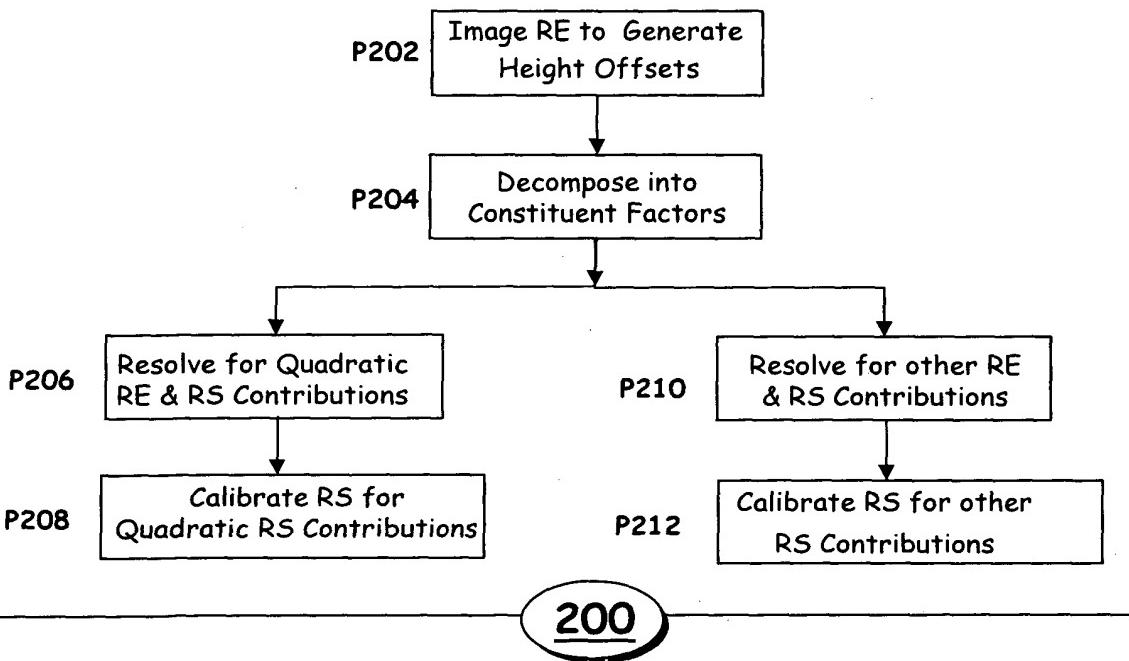
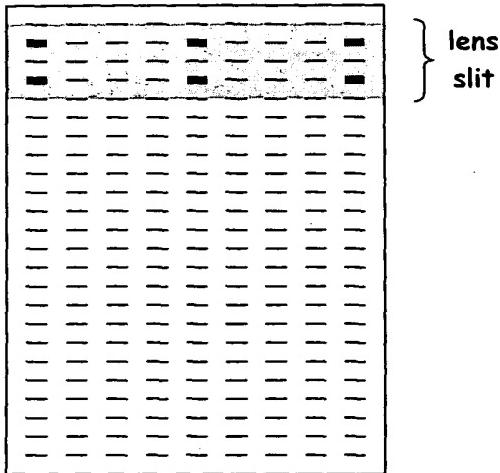
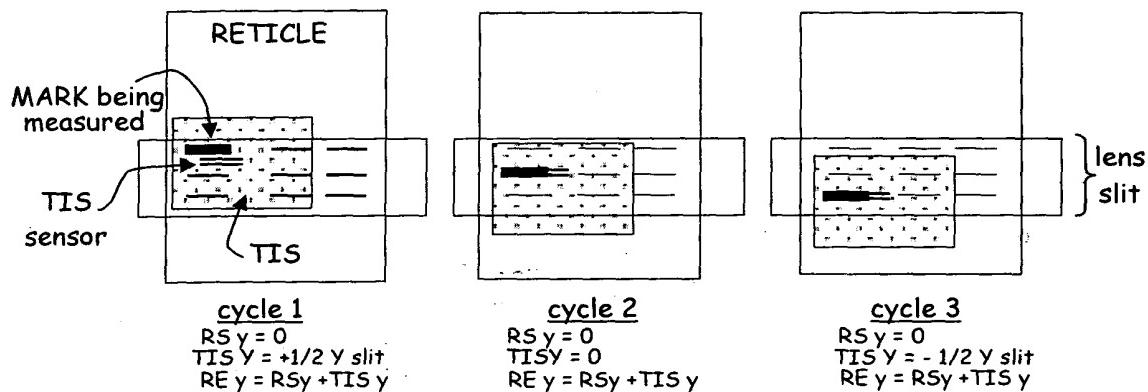


FIG. 2B

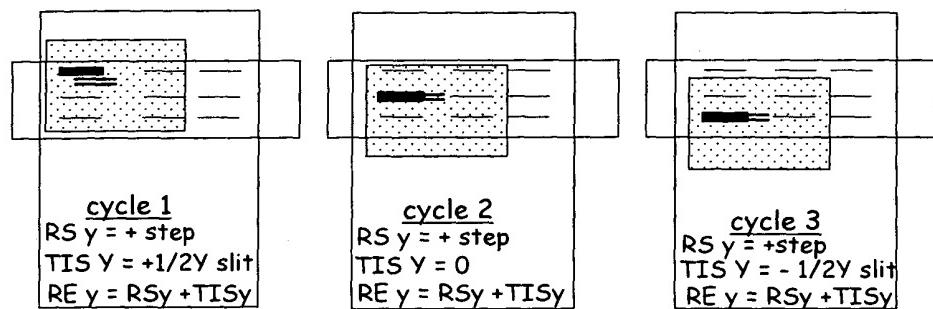
Measure a set of these marks in the slit using TIS:



Iteration A:



Iteration B (move Reticle Stage RS)



This provides a set of Z_{meas} values at:

$$Z(x = \text{left}, Y_{rs} = 0, Y_{sl} = +1/2\text{slit})$$

$$Z(x = 0, Y_{rs} = 0, Y_{sl} = +1/2\text{slit})$$

$$Z(x = \text{right}, Y_{rs} = 0, Y_{sl} = +1/2\text{slit})$$

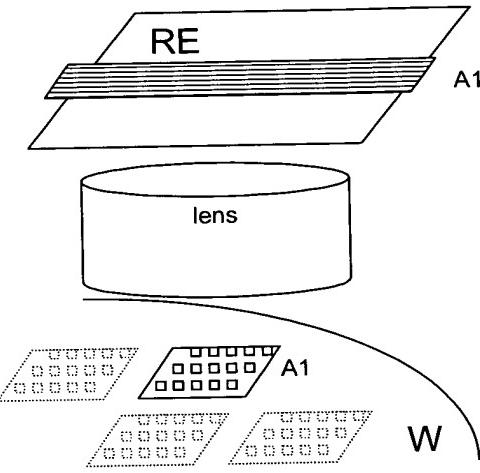
$$Z(x = \text{left}, Y_{rs} = +step, Y_{sl} = +1/2\text{slit})$$

$$Z(x = 0, Y_{rs} = +step, Y_{sl} = +1/2\text{slit})$$

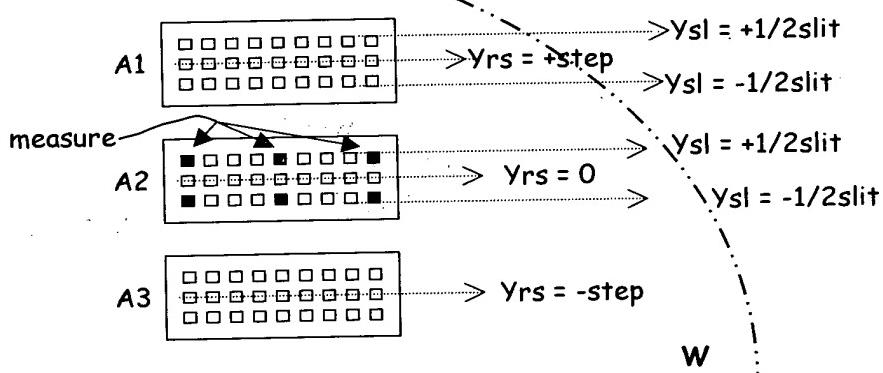
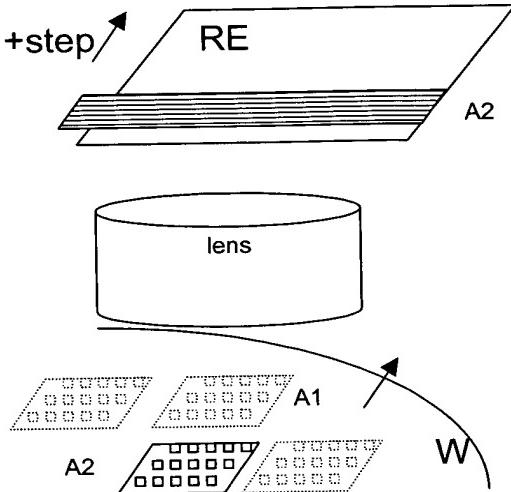
$$Z(x = \text{right}, Y_{rs} = +step, Y_{sl} = +1/2\text{slit})$$

FIG. 2C

Iteration A:



Iteration B:



This provides a set of Zmeas values at:

$$Z(x = \text{left}, Yrs = 0, Ysl = +1/2\text{slit})$$

$$Z(x = \text{left}, Yrs = 0, Ysl = -1/2\text{slit})$$

$$Z(x = 0, Yrs = 0, Ysl = +1/2\text{slit})$$

$$Z(x = 0, Yrs = 0, Ysl = -1/2\text{slit})$$

$$Z(x = \text{right}, Yrs = 0, Ysl = +1/2\text{slit})$$

$$Z(x = \text{right}, Yrs = 0, Ysl = -1/2\text{slit})$$

Target field A1 provides the following:

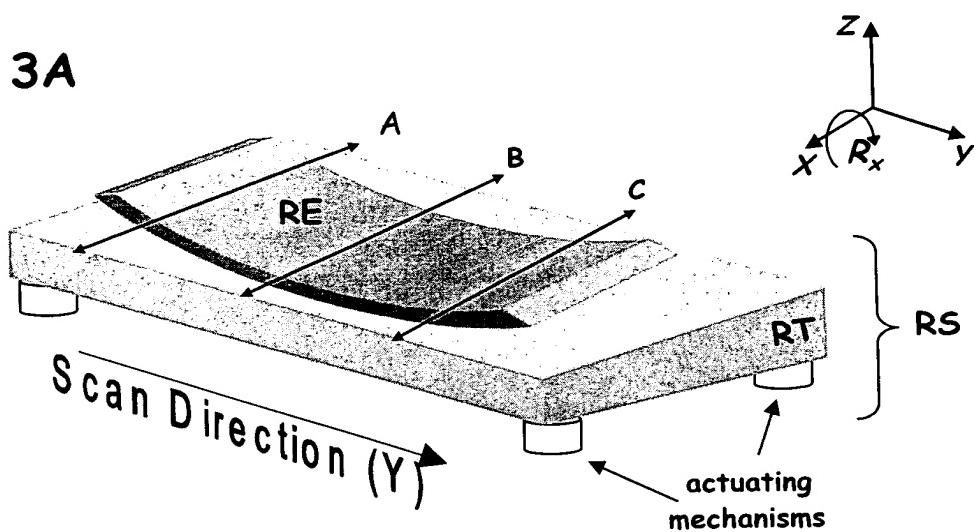
$$Z(x = \text{left}, Yrs = +step, Ysl = +1/2\text{slit})$$

$$Z(x = 0, Yrs = +step, Ysl = +1/2\text{slit})$$

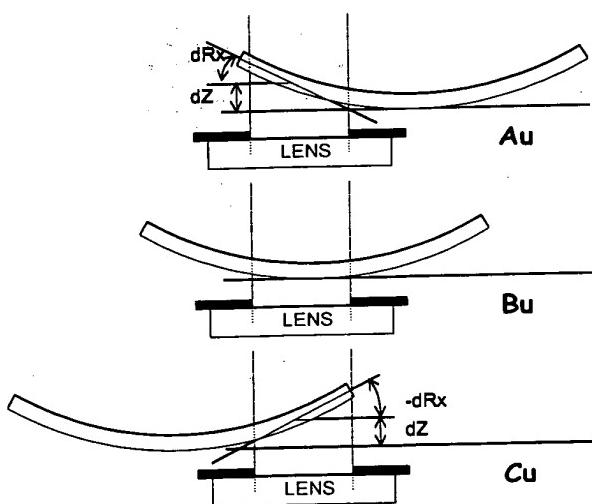
$$Z(x = \text{right}, Yrs = +step, Ysl = +1/2\text{slit})$$

FIG. 2D

FIG. 3A



Uncalibrated RS



Calibrated RS
(shown for Z, R_x)

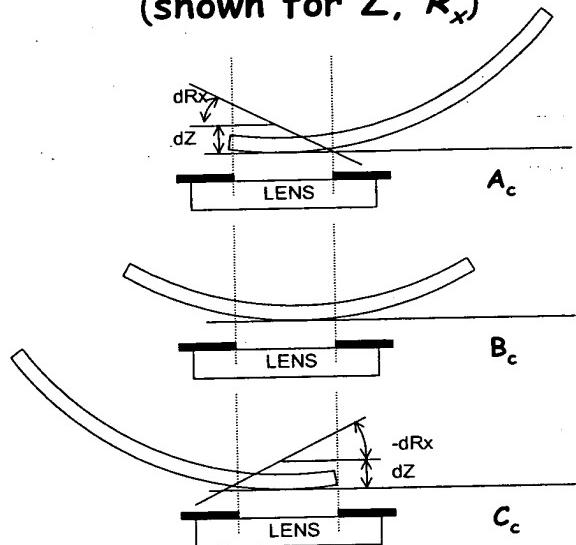


FIG. 3B

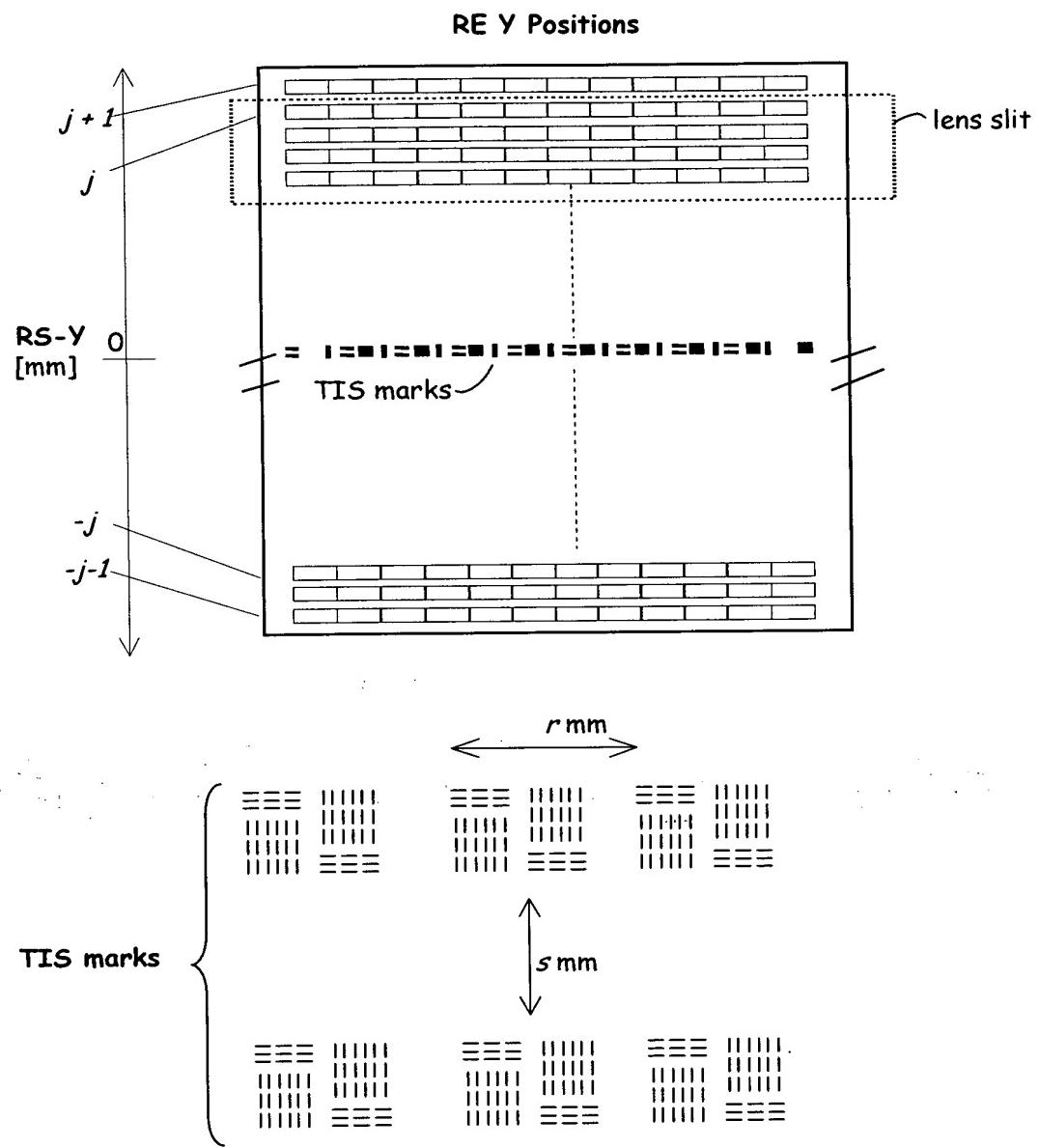


FIG. 4